



N49RF ERROR SUMMARY

ENRR Repo KMCF to PHNL

19 January 2016



Flight ID: 20160119N1

Sensor or system

Static Pressure Probe
Dynamic Pressure Probe
Total Temperature Probe
Dewpoint Temp. Probe
Vertical Accelerometer
Altimeter
INE Selection
Differential Attack Pressure Probe
Differential Sideslip Pressure Probe
Dynamic Attack Pressure Probe
Dynamic Sideslip Pressure Probe
Flight Directory

Number or Name

PSM.2
PQM.2
TTM.1
TDM.2
AccZfilterI.1
AltGPS.3
1
PDALPHA.1
PDBETA.1
PQALPHA.1
PQBETA.1
acdata/2016/MET/20160119N1

Local Met Data:

Aircraft Static Pressure
Tower Pressure (corrected)

Takeoff - KMCF (1537Z)

1028.2 mb
1030.2 mb

Landing – PHNL (0505Z)

1017.9 mb
1016.4 mb

Notes:

The Edgetech dewpoint sensor (TDM.2)* was the most representative dewpoint sensor throughout and was therefore used as the source. All other sensors performed nominally.

Takeoff/Landing data: Data during landing and takeoff are potentially suspect. It is recommended that ground data not be used for scientific analysis.

SPECIAL NOTE!!! The variable names dpj_wgs, dpj_was, and dpj_wz in the netCDF file represent vertical ground, vertical air, and vertical wind speeds respectively, computed using Dave Jorgensen's vertical wind algorithm. It is recommended that these values be used for vertical wind analysis.

*TDM.1 and TDM.2 are both not rated for use under -50 deg C and cannot be considered reliable for dew points colder than -50C. TDM.1 exceeded the ambient temperature for nearly the entire mission during cruise above 41,000 feet. TDM.2 was used for post processing.

Expendable Type	Number deployed	Number good	Number of messages transmitted
GPS dropwindsonde	0	0	0
Test Sondes	0	0	0

Flight Director:
Phone #:

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